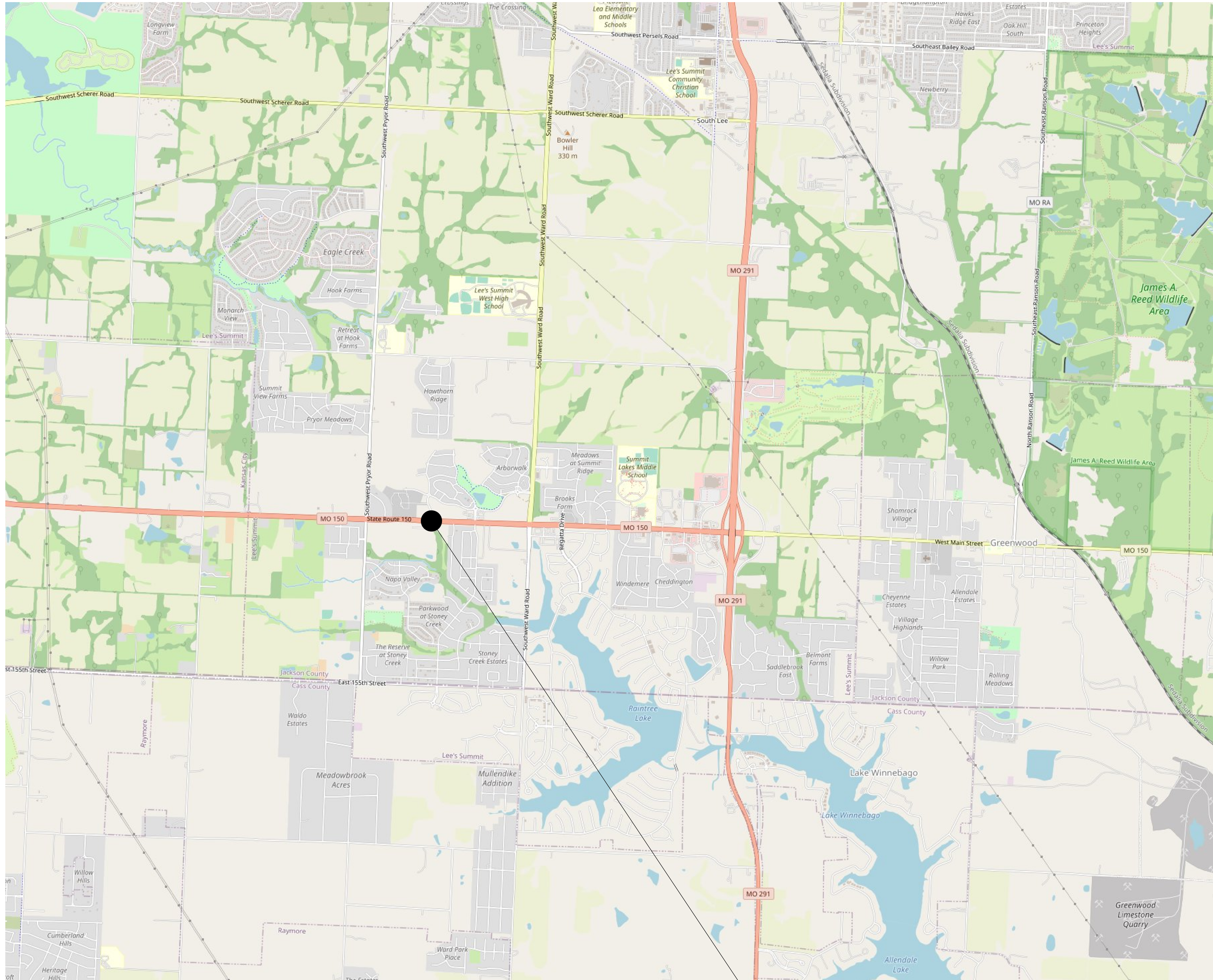


MO 150 & ARBORIDGE DRIVE

Lee's Summit, Jackson County, Missouri

TRAFFIC SIGNAL PLANS

INDEX OF SHEETS	
COVER SHEET	1
PLAN SHEET	2
QUANTITIES	3-7



© OpenStreetMap contributors

VICINITY MAP
N.T.S.

PROJECT LOCATION



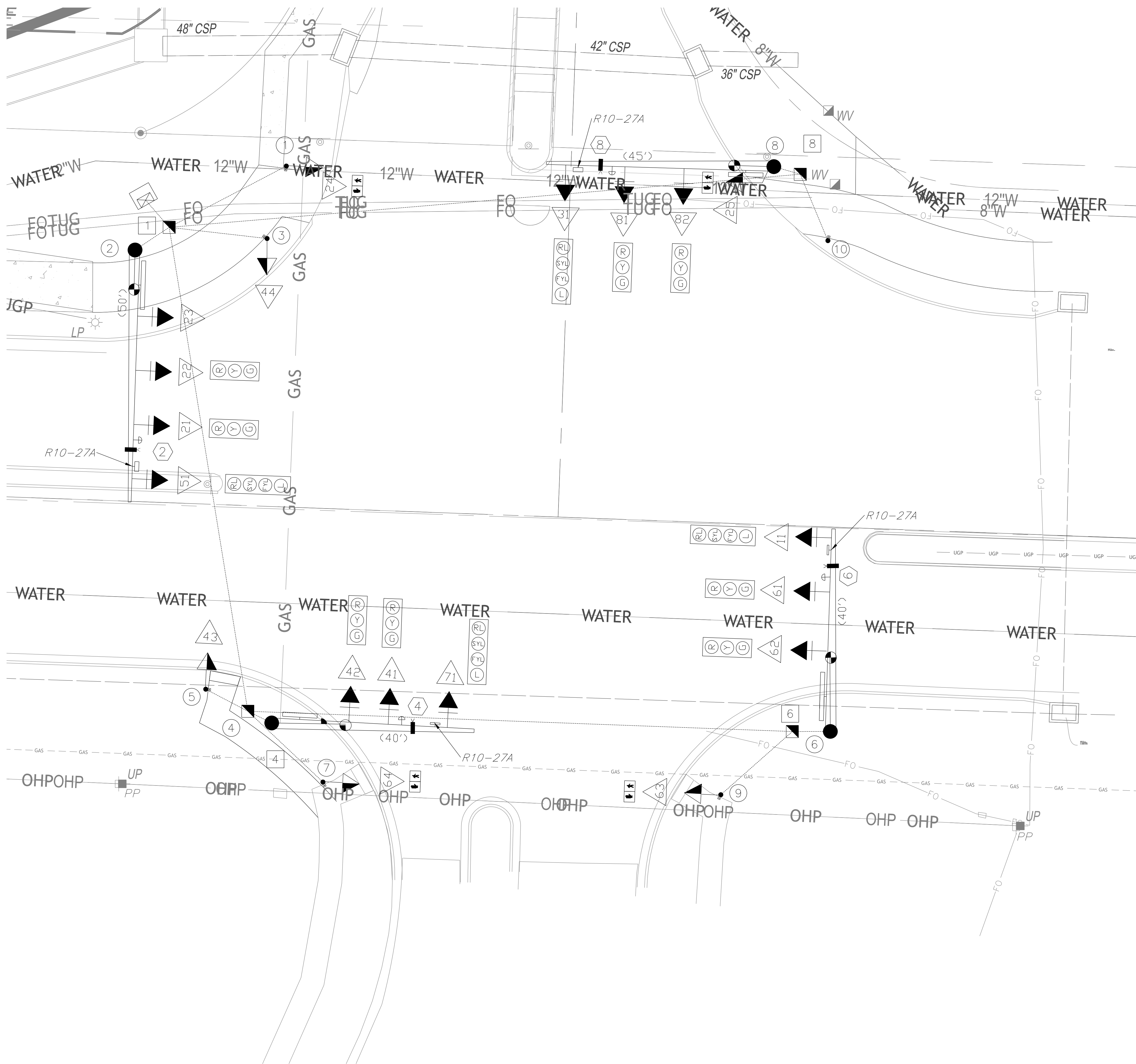
DATE PREPARED
2-13-2024

DATE	DESCRIPTION
10-4-2023	Prepared for Review
1-8-2024	Revised Per MOOT & City Comments
2-13-2024	Revised Per MOOT Comments

PO Box 563
Garden City, MO 64747
816.738.4400

Priority Engineers, Inc.
MO State Certificate
of Registration #:
2011027013

1

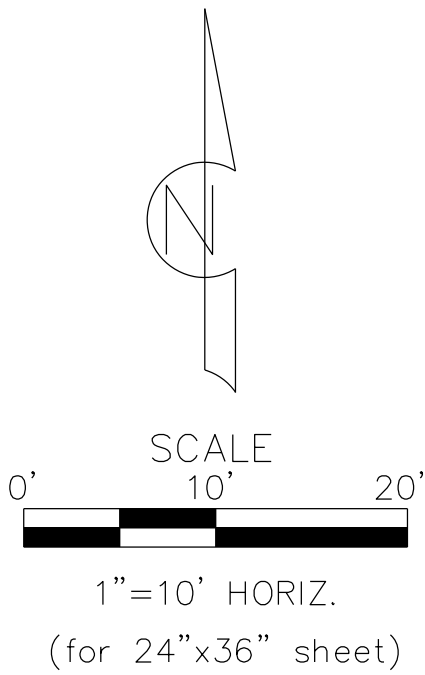


Notes:

1. The Contractor shall stake the locations of all poles, and other equipment. Staked locations shall be reviewed by the Engineer for approval prior to the placement of equipment.
2. All locations indicated in drawings, including conduit runs are subject to adjustment to clear obstructions and to meet site conditions, if any, by the Engineer.
3. Any equipment damaged during construction shall be replaced at the contractor's expense.
4. The Contractor shall determine the exact locations of all existing utilities before beginning work and agrees to be fully responsible for any and all damages which might be caused by the Contractor's failure to expertly locate and preserve any and all underground utilities.
5. Contractor shall submit shop drawings and obtain approval from the Engineer prior to the procurement of all signal equipment.
6. Traffic control shall be provided by the Contractor. All traffic control devices shall be in accordance with the manual on Uniform Traffic Control Devices (MUTCD).
7. All signal indications shall be LEDs per ITE specifications.
8. All pedestrian signal indications shall be 16 inch single section LED Ped modules with Hand and Walker symbols with count down feature per 2009 MUTCD specifications.
9. Pedestrian pushbuttons shall be in accordance with MoDOT's Accessible Pedestrian Signals (Pushbuttons) JSP.
10. Intercept MoDOT MO 150 Fiber.

LEGEND

- PULL BOX
- PULL BOX LABEL
- POST LABEL
- POST WITH MAST ARM
- PUSHBUTTON DETECTION
- DETECTION LABEL
- SIGNAL HEAD WITH LABEL
- PEDESTRIAN SIGNAL HEAD WITH LABEL
- SIGNAL CONTROLLER
- POWER SUPPLY
- SIGNAL HEAD INDICATION
- PEDESTRIAN SIGNAL HEAD INDICATION
- TRENCHED CONDUIT
- PUSHED CONDUIT
- 4' PEDESTRIAN POLE
- 8' PEDESTRIAN POLE
- RADAR DETECTION
- EMERGENCY VEHICLE PREEMPTION (EVP)



DATE PREPARED
2-13-2024

DATE	DESCRIPTION
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1-8-2024	Revised Per MoDOT & City Comment

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of Authority #:
2011027013

2

[illegible]

4

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816.738.4400



DATE PREPARED
2-13-2024

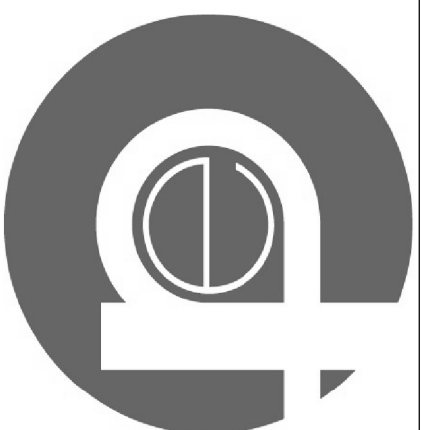
NOTES:

1. ECONOLITE COBALT CONTROLLER SHALL BE USED
2. ECONOLITE CABINET SHALL BE INSTALLED
3. AUTOSCOPE VISION DETECTION SHALL BE INSTALLED
4. EDI MMU2 MALFUNCTION MONITORING UNIT SHALL BE INSTALLED
5. GUARDIAN MINI APS SHALL BE USED
6. SIGNAL CABINET BASE SHALL BE ON A CONCRETE RISER

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

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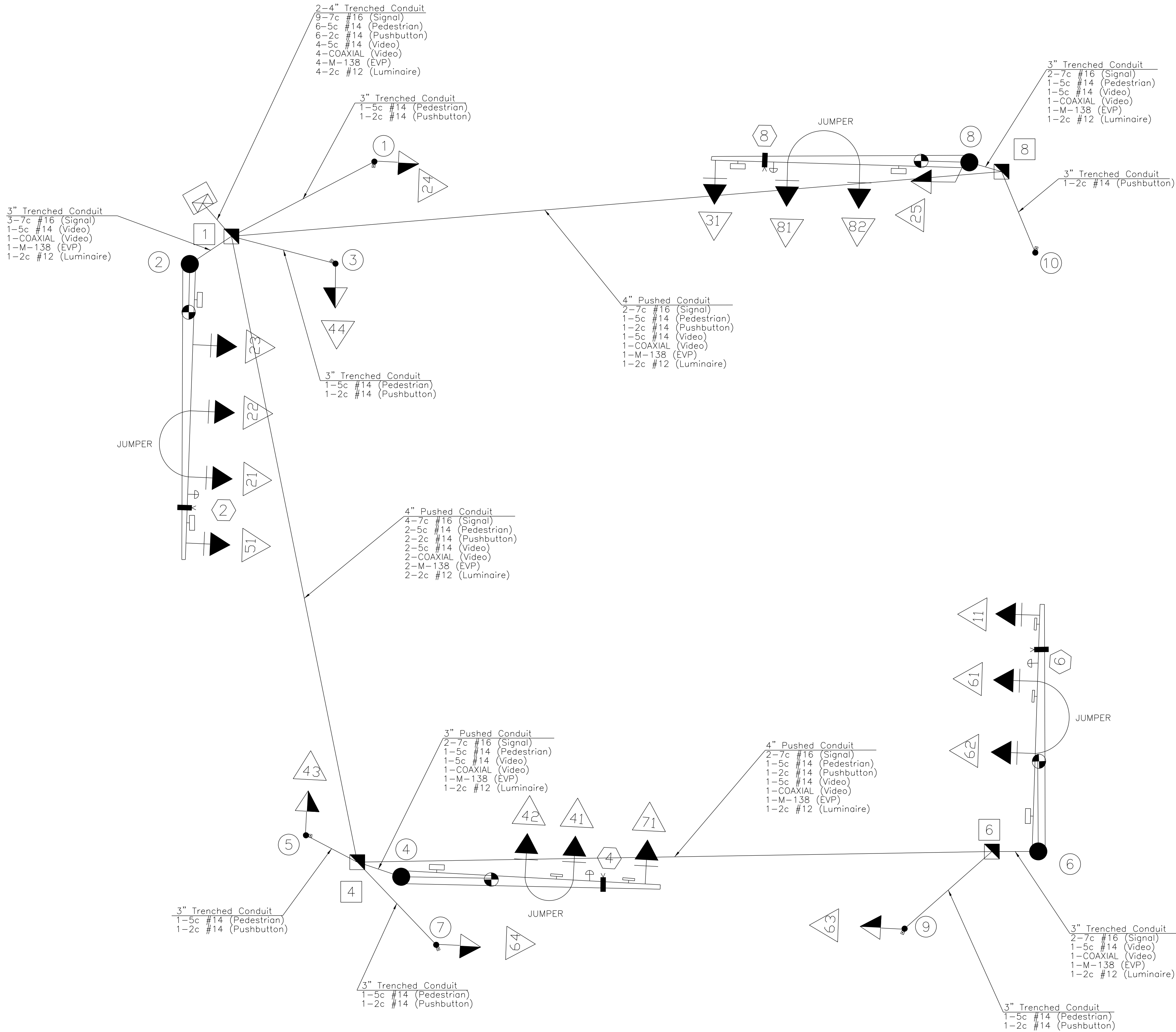
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WIRING DIAGRAM

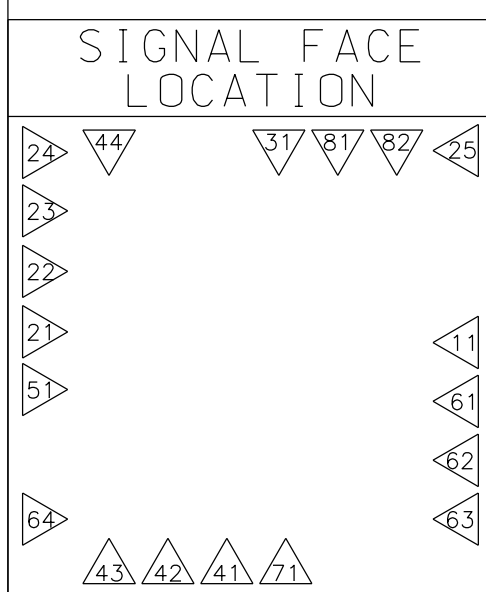


LEGEND

- CONDUIT
- PULL BOX WITH NUMBER
- POST WITH NUMBER
- POST WITH MAST ARM
- POST WITH MAST ARM AND LUMINAIRE
- VIDEO DETECTION PHASE NUMBER
- VIDEO DETECTION CAMERA
- SIGNAL HEAD WITH NUMBER
- PEDESTRIAN SIGNAL HEAD WITH NUMBER
- SIGNAL CONTROLLER
- POWER SUPPLY
- LIGHTING OR UPS CONTROLLER
- PEDESTRIAN PUSHBUTTON POLE

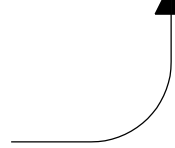
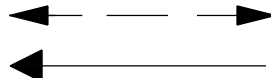
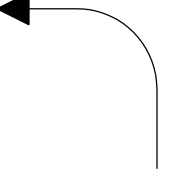
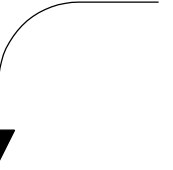
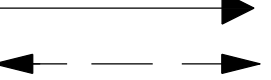
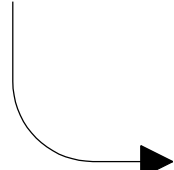
MO 150 & Arboridge Dr
INTERSECTION

D-37D



TRAFFIC PHASING AND COLOR SEQUENCE - ACTUATED CONTROLLERS														

[illegible]

	PHASE 1	PHASE 2	PHASE 3	PHASE 4
RING 1				
RING 2				
	PHASE 5	PHASE 6	PHASE 7	PHASE 8

RING STRUCTURE

NOTE: MODE G FOR FYA MODE

- # LEGEND
- | | |
|--------|--|
| → | — ACTUATED VEHICULAR MOVEMENT |
| → | — PARTIALLY RESTRICTED ACTUATED VEHICULAR MOVEMENT |
| → | — NON-ACTUATED VEHICULAR MOVEMENT |
| → | — PARTIALLY RESTRICTED NON-ACTUATED VEHICULAR MOVEMENT |
| → | — ACTUATED PEDESTRIAN MOVEMENT |
| → | — NON-ACTUATED PEDESTRIAN MOVEMENT |
| — | — VEHICLE STOPPED |
| FDW | — FLASHING DON'T WALK |
| R/W | — RIGHT OF WAY INTERVAL |
| DW | — DON'T WALK |
| YR† | — YELLOW RIGHT ARROW |
| RT. | — GREEN RIGHT ARROW |
| W | — WALK |
| LY —YL | — YELLOW LEFT ARROW |
| L | — GREEN LEFT ARROW |
| S | — GREEN STRAIGHT AHEAD ARROW |
| G | — CIRCULAR GREEN |
| Y | — CIRCULAR YELLOW |
| R | — CIRCULAR RED |
| Ø | — TRAFFIC PHASE |
| AO | — ALL OTHERS |
| FR | — FLASHING RED |
| FY | — FLASHING CIRCULARE YELLOW |
| FYA | — FLASHING YELLOW ARROW |
| FYL | — FLASHING YELLOW LEFT ARROW |
| FYR | — FLASHING YELLOW RIGHT ARROW |

IF CALLED, ALL NON-CONFLICTING PHASES SHALL
COMBINE AND TIME CONCURRENTLY. TIME TO BE
DETERMINED BY THE ENGINEER AT SIGNAL TURN ON
AND SET IN THE CONTROLLER BY THE CONTRACTOR.

FLASHING OPERATION	
MO 150	FR
ARBORIDGE DRIVE	FR
CONTROLLER TYPE	NEMA

TRAFFIC SIGNAL CONTROL OPERATION
INTERSECTION OF MO 150 & ARBORIDGE DRIVE